

Converting Colors

$Y_{xy}(75.8532, 0.3245, 0.3422)$

Have a look what the booklet for
Yxy(75.8532, 0.3245, 0.3422)
contains.

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Color

Yxy(75.6434, 0.3249, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	E7E1D5
RGB	231, 225, 213
RGB Percent	91%, 88%, 84%
CMY	0.0939, 0.1177, 0.1647
CMYK	0.00, 0.03, 0.08, 0.09
HSL	40°, 27%, 87%
HSV	40°, 8%, 91%
XYZ	71.9033, 75.6434, 73.7623
YIQ	225.4260, 7.4280, -2.4600

Conversions

Conversions Part 2

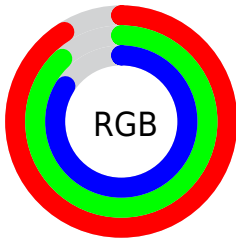
Format	Color
R _Y B	222, 231, 213
Decimal	15196629
CIE Lab	89.69, 0.01, 6.58
CIE LCh	90, 6.578, 89.880
Yxy	75.6434, 0.3249, 0.3418
Android (android.graphics.Color)	4293386709 (0xFFE7E1D5)
YUV	225.4260, -6.1260, 4.8884
Hunter-Lab	86.9732, -4.6320, 10.5972

Details

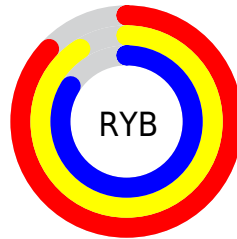
The Yxy color **75.6434, 0.3249, 0.3418** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6176, 0.3007, 0.3159**, and the grayscale version is **75.6653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3320, 0.3276, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **70.4533, 0.3420, 0.3589**, and if you desaturate by 10%, it is **81.1981, 0.3095, 0.3255**.

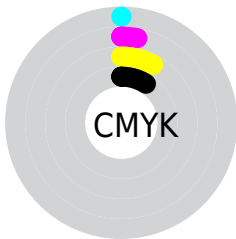
Distribution



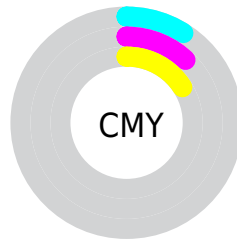
- Red (91%)
- Green (88%)
- Blue (84%)



- Red (87%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6434, 0.3249, 0.3418 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 75.6434, 0.3249, 0.3418 by changing the saturation by 10% instead.

■ 75.6434, 0.3249,
0.3418

■ 75.6434, 0.3249,
0.3418

480.1261, 0.3193,
0.3359

■ 56.1401, 0.3262,
0.3431

127.2227, 0.3230,
0.3398

■ 40.3153, 0.3277,
0.3448

160.0676, 0.3222,
0.3390

■ 27.7845, 0.3297,
0.3469

198.1284, 0.3216,
0.3383

■ 18.1632, 0.3323,
0.3496

241.7896, 0.3210,
0.3377

■ 11.0673, 0.3358,
0.3533

291.4356, 0.3205,
0.3372

■ 6.1121, 0.3409,
0.3586

347.4507, 0.3200,

■ 2.9134, 0.3487,

0.3367

0.3668

410.2194, 0.3197,
0.3363

■ 1.0867, 0.3653,
0.3842

■ 0.0000, 0.0000,
0.0000

■ 75.6434, 0.3249,
0.3418

■ 75.6434, 0.3249,
0.3418

■ 70.4533, 0.3420,
0.3589

■ 81.1981, 0.3095,
0.3255

■ 65.6085, 0.3606,
0.3765

■ 86.8422, 0.2981,
0.3144

■ 61.1020, 0.3807,
0.3940

■ 91.5245, 0.2981,
0.3223

■ 56.9232, 0.4017,
0.4107

■ 95.7380, 0.2982,
0.3290

■ 53.0604, 0.4230,
0.4255

■ 49.5012, 0.4438,
0.4374

■ 46.2315, 0.4629,
0.4451

■ 43.2352, 0.4793,
0.4480

■ 40.4914, 0.4926,
0.4458

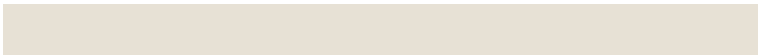
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6434, 0.3280, 0.3377



75.6434, 0.3249, 0.3418



75.6434, 0.3185, 0.3425

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6434, 0.3249, 0.3418



75.6434, 0.2987, 0.3264



75.6434, 0.3146, 0.3189

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.6434, 0.3249, 0.3418



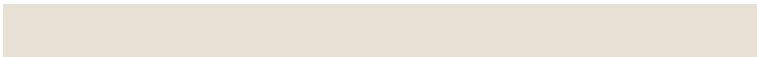
70.6176, 0.3007, 0.3159

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6434, 0.3068, 0.3159



75.6434, 0.3249, 0.3418



75.6434, 0.2977, 0.3201

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6434, 0.3249, 0.3418



75.6434, 0.3035, 0.3335



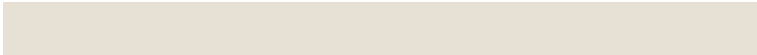
75.6434, 0.3006, 0.3163



75.6434, 0.3220, 0.3245

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6434, 0.3249, 0.3418



75.6434, 0.3133, 0.3408



75.6434, 0.3006, 0.3163



75.6434, 0.3120, 0.3176

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.6467, 0.3249, 0.3418



98.5874, 0.3158, 0.3322



69.7191, 0.3217, 0.3223



21.1166, 0.3156, 0.3321



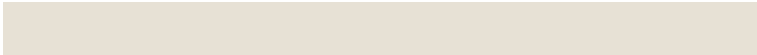
0.0000, 0.0000, 0.0000



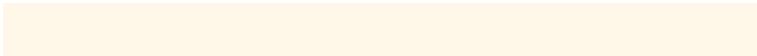
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6467, 0.3249, 0.3418



93.7874, 0.3269, 0.3439



78.5372, 0.3224, 0.3482



15.9586, 0.3276, 0.3446



22.6051, 0.4937, 0.4462



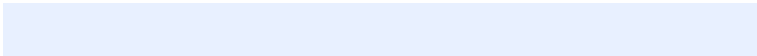
1.8401, 0.4801, 0.4570

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



70.6176, 0.3007, 0.3159



86.5638, 0.2987, 0.3137



67.9172, 0.3026, 0.3092



14.6745, 0.2981, 0.3129



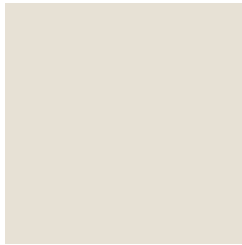
6.4636, 0.1636, 0.1090



0.6441, 0.1718, 0.1383

Previews

White Background



This preview shows how the Yxy color 75.6434, 0.3249, 0.3418 looks on a white background.

Color Contrast Check

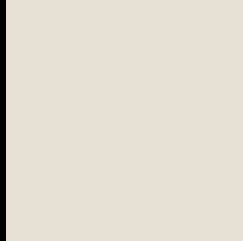
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 75.6434, 0.3249, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

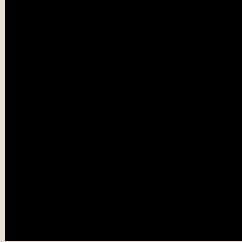
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

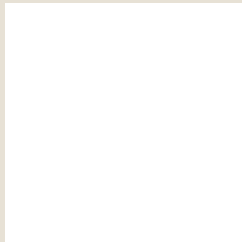
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6434, 0.3249, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 75.6434, 0.3249, 0.3418.

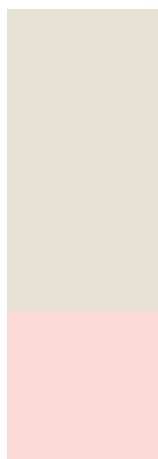


This preview shows how white text looks on a background with the Yxy color 75.6434, 0.3249, 0.3418.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.6434, 0.3249, 0.3418

Protanopia

75.8103, 0.3256, 0.3418

Deuteranopia

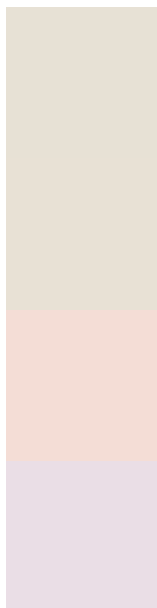
75.5071, 0.3397, 0.3332



Tritanopia

75.6071, 0.3108, 0.3104

Trichromacy



Original Color

75.6434, 0.3249, 0.3418

Protanomaly

75.8103, 0.3256, 0.3418

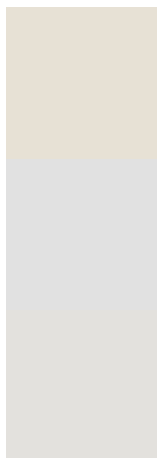
Deuteranomaly

75.8010, 0.3341, 0.3363

Tritanomaly

75.4481, 0.3159, 0.3207

Monochromacy



Original Color

75.6434, 0.3249, 0.3418

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.4018, 0.3167, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6434, 0.3249, 0.3418 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(231, 225, 213)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 225, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 213) }
```

Border

The CSS property to change the border of an element to Yxy 75.6434, 0.3249, 0.3418 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 225, 213) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 225, 213) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 225, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 213);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6434, 0.3249, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
225, 213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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